



SEQUENCE LISTING

<110> Cai, Jialong

Keller, Richard

Werner, James

Goodwin, Peter

<120> RAPID HAPLOTYPING BY SINGLE MOLECULE DETECTION

<130> S-94,652

<140> US 09/862,855

<141> 2001-05-21

<160> 21

<170> PatentIn version 3.1

<210> 1

<211> 20

<212> DNA

<213> Unknown

<220>

<223> 20-mer probe complementary to 20 base pair region of M13mp18 target containing EcoR I restriction site

<400> 1

gctcgaattc gtaatcatcg

20

<210> 2

<211> 18

<212> DNA

<213> Unknown

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<223> 18-mer probe complementary to 18 base pair region of M13mp18 target containing Hind III restriction site

<400> 2

cagtgcccaag cttcgatg

18

<210> 3

<211> 97

<212> DNA

<213> Unknown

<220>

<223> Synthetic chimera template derived from genes MLL(HRX,Htrx) and AF4(FEL)

<400> 3

gaagttccca aaaccactcc tagtgagccc aagaaaaagc agcctccacc accaaaaacaa

60

tatgatacat cttcaaaaac tcaactcaaat tctcagc

97

<210> 4

<211> 27

<212> DNA
 <213> Unknown
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 <223> DNA probe sequence complementary to MLL portion of SEQ ID NO:3

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 aaaaatttct tgggcttcac tagggag 27

 <210> 5
 <211> 29
 <212> DNA
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 <223> DNA probe sequence complementary to AF4 portion of SEQ ID NO:3

 <400> 5
 aaaaaaattt gagtgagttt ttgaagatg 29

 <210> 6
 <211> 12
 <212> DNA
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 <223> PNA probe sequence for MLL portion of SEQ ID NO:3

 <400> 6
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 <210> 7
 <211> 12
 <212> DNA
 <213> Unknown
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 <223> PNA probe sequence for AF4 portion of SEQ ID NO:3

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 <210> 8
 <211> 12
 <212> DNA
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 <223> LNA probe sequence for MLL portion of SEQ ID NO:3

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 <210> 9
 <211> 12
 <212> DNA
 <213> Unknown

<220>
 <223> LNA probe sequence for AF4 portion of SEQ ID NO:3

<400> 9
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<210> 10
 <211> 32
 <212> DNA
 <213> Unknown
 <220>
 <223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 10
 tggcagctca gaccaccaag cacaagtggg ag 32

<210> 11
 <211> 76
 <212> DNA
 <213> Unknown
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 <223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 11
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 cgcagatacc tggaga 76

<210> 12
 <211> 32
 <212> DNA
 <213> Unknown
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 <223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 12
 tggcagctca gaccaccaag cacaagtggg ag 32

<210> 13
 <211> 76
 <212> DNA
 <213> Unknown
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 <223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 13
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 cgcagatacc tggaga 76

<210> 14
<211> 32
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<400> 14
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<210> 15
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<400> 15
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cgagataacc tggaga 76

<210> 16
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<400> 16
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<400> 17
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cgagataacc tggaga 76

<210> 18
<211> 32
<212> DNA

<213> Unknown
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<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 18
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<210> 19
<211> 76
<212> DNA
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<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 19
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cgagatacc tggaga 76

<210> 20
<211> 32
<212> DNA
<213> Unknown
<220>
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 20
tggcagctca gaccacccaa ggcaagtggg ag 32

<210> 21
<211> 76
<212> DNA
<213> Unknown
<220>
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 21
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cgagatacc tggaga 76